JVC®

The Perfect Experience

V.NETWORKS

Visual Network System

IP SECURITY SOLUTIONS

JVC's IP Security Solutions. Easy Digital Monitoring of Worldwide Facilities, Anywhere from Multiple Locations.

- Fully IP Based Surveillance System.
- Broad Selection of IP Products including Fixed Camera, PTZ Camera, Dome Camera, Encoder, and Integrated Network Video Recorder. Easy Interfacing with Analog Cameras using the Encoder.
- Stand–alone Operation or Compatible with a Wide Variety of Systems Ranging from Small-scale Multi-Viewer Systems to Enterprise Systems Centered on the Integrated Network Video Recorder (VR-N100U).
- Easy Access to Live and Archived Video from Anywhere, at Anytime*.
- One Mouse Click Configures Cameras on the Network*.
- Existing Analog Equipment can be Used to Save on Investment Costs.
- When Used with the VR-N100U Network Video Recorder
  - All IP Cameras are Connected to Camera-only Channels to Minimize Impact on Existing Networks.
  - Single IP Address to View and Control Thousands of IP Cameras.

**Integrated Network Video Recorder (VR-N100U) Required*

VR-N100U

INTEGRATED NETWORK VIDEO RECORDER

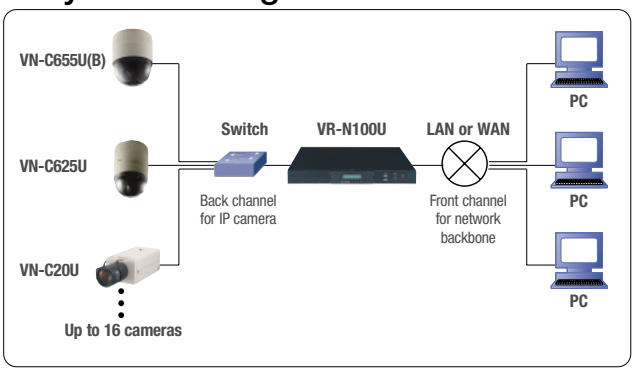
Use in combination with IP cameras to manage, record, and secure digital video over an Ethernet IP network

IP SECURITY SOLUTIONS

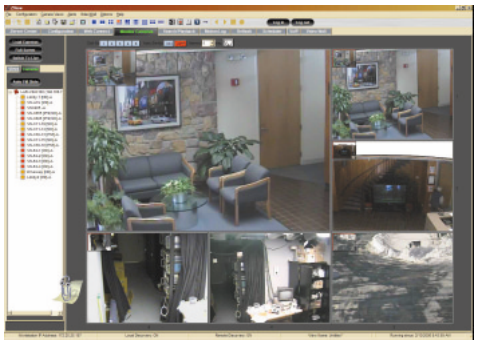
Features

- Integrated Network Video Recorder and IP Camera Management
- Easy Access to Live and Archived Video from Anywhere and Anytime
- Records up to 16 Cameras, at up to 30fps at Full VGA Resolution
- One Click Network Camera Configuration with Auto-discovery of Cameras and Encoders
- Supports DHCP or Static IP Addressing
- One IP Address to Control and Monitor Thousands of IP Cameras, Even in Remote Locations
- Video Stays in Digital Domain for Less Signal Degradation
- Manages the Camera's Access to Network Preserving Scarce Bandwidth
- Storage of 1.3TB/2.0TB of RAID/JBOD Available and Expandable to over 100TB
- Controllable via Any JAVA-enabled Web Browser on Any Platform
- Interfaces with IT Industry Standard Hardware

System Configuration



Enterprise Client Management Software



Sample screen of local and remote network monitoring

Specifications

HARDWARE

• 19" 1U rack mount chassis • X1 server motherboard with CPU/Fan/RAM/OS/APP • LCD/LED display • 4x HDDs (RAID-set, 5th HDD optional) • A single IP address can support thousands of IP cameras • Dual 10 BASE-T/100 BASE-TX network interface card • SCSI for available RAID expansion rack • PCI slot for upcoming video lifecycle management implementation • Power requirement: AC 120V, 0.5A • Dimensions (L x W x H): 22-13/16" x 16-3/4" x 1-3/4" (579mm x 425mm x 44mm) • Weight: 25.0 lbs. (11.3 kg) • Operating Temperature: 32˚F to 104˚F (0˚C to 40˚C) <Storage>: <4˚F to 140˚F (-20˚C to 60˚C)> • UL60950-1, TÜV/GS, FCC Part 15 Subpart B Class A

SOFTWARE

License for 16 Cameras • Automatic camera discovery and configuration • Software RAID • 24/7 operation • Simultaneous real-time 30 fps recording on all cameras • Video motion detection (camera must support) • Pan/Tilt/Zoom (camera must support) • Random access search • Customized setting for each camera

Windows® Enterprise client management software • Unlimited license • Unlimited customized software multiplexer switch • Unlimited VR-N100U and camera support

VN-C655U(B)
VN-C625U

PTZ IP
DOME CAMERA

High-performance indoor/outdoor cameras for network-based 24/7 surveillance

VN-C655U(B)

VN-C625U

Features

VN-C655U(B)

- 25x Optical Zoom Lens and 10x Electronic Zoom
- Extended Dynamic Range (ExDR)
- Super Lolux™ Sensitivity: 0.6 lx in Color Mode, 0.03 lx in B&W Mode

VN-C625U

- Compact Flash (CF) Card Slot — Pre/Post Alarm Recording to Type II CF Card*
- Slim Design — Only 120mm Diameter
- 12x Optical Zoom Lens
- Super Lolux™ Sensitivity: 1.8 lx in Color Mode, 0.075 lx in B&W Mode

** May not be compatible with some CF cards.*

Common Features

- 1/4" Hi-Resolution Interline Transfer CCD with 380,000 Effective Pixels
- Up to 30fps Motion-JPEG in VGA Mode (640x480)
- Day/Night Operation with Mechanical IR Cut Filter ON/OFF (Auto, Alarm, Timer selectable)
- 360-Degree Endless Rotation
- Auto Patrol, Auto Pan, Auto Tour
- 100 Preset Positions
- Auto Focus
- Privacy Masking
- Motion Detection
- Distribution Control Setting for Band Width Management
- 3-level Password Protection: User/Operator/Administrator
- Internet Connectivity: Web Server, FTP Server/Client

** Super LoLux is a trademark of Victor Company of Japan, Limited (JVC).*

■ Options: Pendant Mount, Wall Mount, Ceiling Bracket, Outdoor Housing

Specifications

CAMERA	VN-C655U(B)	VN-C625U
Image device	1/4" IT CCD	
Effective pixels	380,000 pixels, 768 (H) x 494 (V)	
Scanning frequencies	Horizontal 15.734 kHz, Vertical 59.94 Hz	
Sensitivity*		
In Color	2.0 lx 50% video	3.6 lx 50% video
	0.6 lx 25% video	1.8 lx 25% video
	0.07 50% video 32x slow shutter	—
In B&W	0.06 lx 50% video	0.15 lx 50% video
	0.03 lx 25% video	0.075 lx 25% video
Dynamic range	Max. 400x	—
White balance	TTL Auto Tracking/Manual	
Electronic shutter	1/60,1/100,1/250,1/500,1/1000,1/2000,1/4000,1/10000 sec.	
Slow shutter	32x	—
Backlight compensation	4 photometry areas selectable	
LENS		
Zoom ratio	Approx. 25x optical, 10x electronic	Approx. 12x optical
Zoom range	3.8 mm to 95 mm	3.8 mm to 45.6 mm
Maximum aperture	F1.6 (WIDE) to F3.7 (TELE)	F1.6 (WIDE) to F2.7 (TELE)
Auto focus	Easy AF/One Push AF	
MOVING MECHANISM		
Preset positions	100	
Panning range	360° endless rotation	
Panning speed	1°/s to 300°/s	1.5°/s to 180°/s
Tilting range	0° to 90°	
Tilting speed	1°/s to 180°/s	1°/s to 120°/s
NETWORK		
Network interface	10BASE-T/100BASE-TX	
Communication protocol	TCP/IP, UDP/IP, HTTP, FTP, ICMP, ARP, DHCP, NTP	
Image compression	JPEG (7 levels)	
Picture resolution (pixels)	640 x 480, 320 x 240	
Frame rate	Max. 30fps	
Internal storage capacity	8MB (RAM)	
Data transmission	Multicast/Unicast	
Access protection	Password (3 levels)	
Viewing	JVC controller software (included), Internet Explorer	
GENERAL		
Outer dome cover	Clear	
CF card slot	—	Type II (for alarm recording)
Alarms	Input x 2, Output x 2	
Power supply	DC18V (AC24V to DC18V adapter included)	DC12V (AC24V to DC12V adapter included)
Power consumption	1.4 A (Max.)	2 A (Max.)
Operating temperature	0° C to +50° C (+32°F to +122°F)	0° C to +40° C (+32°F to +104°F)
Dimensions	ø6" x 7-13/32" (152 mm diameter x 190 mm height)	ø4-23/32" x 8-29/32" (120 mm diameter x 190 mm height)
Weight	Approx. 4.9 lbs. (2.2kg)	Approx. 2.65 lbs. (1.2kg)
SYSTEM REQUIREMENTS for JVC CONTROL SOFTWARE		
Operating system	Windows® 2000 Pro (SP1 or later)/Server (SP1 or later) Windows® XP Pro/Home edition	
CPU	Pentium® III 500MHz or higher (3.2GHz or higher recommended)	
Memory	128MB or more (1GB or more recommended)	
HDD space	20MB or more	
Display/video card	1024 x 768 pixels or more, True Color (24-bit or 32-bit), (128MB or more VRAM recommended)	

Regulatory standard: UL60950; FCC Part 15, Class A; ICES-003, Class A

**F1.6, AGC 20dB, wide end*

IP SECURITY SOLUTIONS

Additional V.NETWORKS products

V.NETWORKS Visual Network System

VN-C20U

FIXED IP CAMERA

NEW

*Lens not included

Features

- 30fps Motion-JPEG at VGA/QVGA Swichable
- PoE (Power over Ethernet) Enabled
- Full Hybrid with IP and Analog Output
- Easy Day/Night Function
- Motion Detection Function

Specifications

Image device	1/3" IT CCD
Sensitivity	1.0lx 25IRE (Color) 0.4lx 25IRE (B&W)
Frame rate	Max. 30fps (640 x 480 pixels)
Easy day/night	Yes
Motion detection	Yes
Alarms	Input x 2, Output x 2
Access protection	Password (3 levels)
Memory	Pre/Post alarm buffer 8MB (Internal RAM)
Power supply	PoE (IEEE802.3af) / AC24V
Dimensions (H x W x D)	2-7/8" x 2-5/8" x 5-7/8" (70mm x 55mm x 138mm)
Weight	1.3 lbs. (600g)

VN-C205U

IP DOME CAMERA

Features

- Easy to Install with 6" Electrical Box Compatibility
- Up to 30fps in VGA Mode
- Easy Day/Night Function
- Hybrid Output (Motion-JPEG and Hi-Resolution Video)
- CF Card Slot for Local Alarm Recording
- Motion Detection Function

Specifications

Image device	1/4" High sensitive IT CCD
Sensitivity	2.4lx 25% video (Color) 1.6lx 25% video (B&W)
Frame rate	Max. 30fps (640 x 480 pixels)
Easy day/night	Yes
Monitor video out	RCA x 1
Motion detection	Yes
Focal length	2.6mm to 6.0mm (Vari-focal)
Alarms	Input x 2, Output x 2
Access protection	Password (3 levels)
Private mask	Yes
Backlight compensation	Yes
Built-in server	Web, FTP
Dimensions	ø6-5/16" x 5-9/32" (160 mm diameter x 134 mm height)
Weight	2.2 lbs. (1.0 kg)

VN-E4U

NETWORK ENCODER

Features

- 120fps 4ch Encoder (VGA 30fps x 4)
- 30fps at VGA (640x480) per Channel
- Simultaneous VGA and QVGA Streams
- High Quality JPEG Compression
- Two-way Audio Function, 1 Input/1 Output
- Motion Detection Function

Specifications

Compression	JPEG
Resolution	640x480, 320 x 240
Alarms	Input x 4, Output x 1
Interface	10BASE-T/100BASE-TX Auto Negotiation, RS-232C/RS-485, Video Input x 4, Audio Input x 1, Audio Output x 1
Memory	Pre/Post alarm buffer 8MB (Internal RAM)
Power supply	DC5V
Dimensions (H x W x D)	1.85" x 7.28" x 8.27" (47mm x 185mm x 210mm)
Weight	2.4 lbs. (1.1kg)

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Printed in USA